

Special Camera Aids Diagnosis Of Heart Problems in Children

Abnormal blood flow in the hearts of children with congenital heart defects is the subject of a three-year study now getting under way here.

The research, funded by a \$201,509 grant from the National Institutes of Health, will use a special diagnostic camera recently developed at Duke to trace radioactive isotopes given to young cardiac patients.

The goals, according to chief investigator Dr. Robert H. Jones, an assistant professor of surgery, will be to determine how various malformations of the heart and great vessels affect the body's capacity to move blood through the circulatory system and how to use the new camera more effectively in discovering and treating heart defects.

Hard To Tell

"In newborn infants, it is not always easy to separate problems caused by heart and lung diseases," Jones said. "Sometimes it's even hard for us to tell what is normal and what is abnormal."

The study is designed to help physicians make these fine distinctions and therefore know to what extent surgical repairs may be needed, he explained.

The radionuclide gamma camera

which Jones developed sparked considerable interest in medical circles and the news media across the country when it was unveiled in Durham in March, 1976.

Quick, Safe Data

Now used in an increasing number of medical centers in the United States, the camera has the advantage that it supplies blood flow data to doctors within seconds after it has been turned on, much more safely than traditional catheterization procedures, Jones said.

Extremely sensitive, the device monitors minute doses of radioactive tracers that have been injected into a vein or inhaled while an attached computer collects, refines and records the information for analysis.

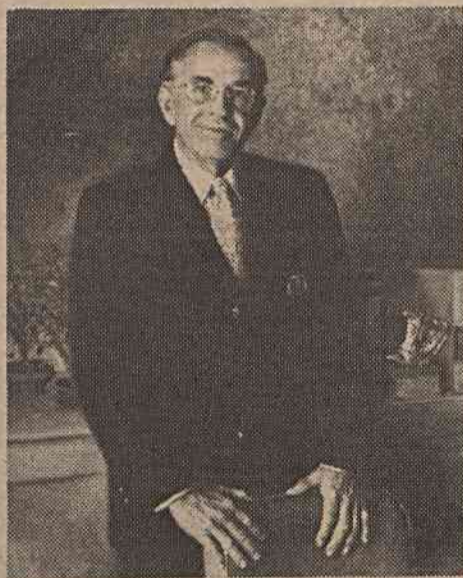
Jones said the camera makes riskier and more expensive catheterization unnecessary in some, but not all, cases.

Cooperative Effort

"This study is going to be a cooperative effort requiring the expertise of scientists from a number of different disciplines," the surgeon said.

In addition to himself, Jones said Drs. Page Anderson, associate professor of pediatrics; Jack Goodrich, chief of nuclear medicine; Merrell Patrick, associate professor of computer science; Charles Nelson, assistant professor of physics; and Henry Newson, James B. Duke professor of physics and director of the Duke-based Triangle Universities Nuclear Laboratory, will be involved in the research.

The radioactive tracers to be used in the heart work were developed at the nuclear laboratory, Jones said.



DR. KENNETH L. PICKRELL



April 24-30



National Secretaries' Week

Saluting 325 Secretaries In the Medical Center



Ceremony Honors Dr. Pickrell

Dr. Kenneth L. Pickrell, professor of plastic, maxillofacial and oral surgery, was honored Saturday at a ceremony held in the Hospital Amphitheater.

A portrait of the surgeon, painted by artist Peter Stevens of Block Island, R.I., was unveiled at the ceremony and presented to the medical center by Dr. William G. Anlyan, vice president for health affairs.

Pickrell joined the Duke faculty in 1944 as professor and chief of the Division of Plastic, Maxillofacial and Oral Surgery after attending Johns Hopkins Medical School in Baltimore and serving on the staff of Johns Hopkins Hospital.

The Old Forge, Pa., native, who was selected as North Carolina's Physician of the Year in 1961 for his services to crippled children and adults, is the author of more than 175 scientific articles and textbook chapters on his specialty. From 1959-60, he was president of the American Society of Plastic Surgery, and from 1962-63, he served as chairman of the American Board of Plastic Surgery.

Pickrell stepped down as chief of his division in 1975.

At the ceremony, Dr. Roscoe R. Robinson, associate vice president and chief executive officer of Duke Hospital welcomed Pickrell, his family, friends and colleagues. Three surgeons gave scientific talks.

Dr. John P. Grant, a resident, spoke on the "Role of Total Parenteral Nutrition in Surgical Patients," Dr. Joseph A. Moylan, associate professor and surgeon-in-chief of the emergency clinic, discussed "Current Activities of the Duke Trauma Unit," and Dr. Robert W. Anderson, also an associate professor, spoke on "Surgical Management of Coronary Artery Disease."

Dr. Jane G. Elchlepp, assistant vice president for health affairs, discussed "The New Duke Hospital," and Dr. David C. Sabiston Jr., James B. Duke professor and chairman of the Department of Surgery, offered remarks about Pickrell and his career.

Wild Flower Exhibit

Wild flower locations in Duke Forest are featured in the current exhibit in the East Campus Library.

Some dried wild flowers from the forest, photographs of others, and books with pictures of the kinds of wild flowers in Duke Forest are shown.

For each wild flower the specific gate and blooming time at which it has been found is noted; or, if the flower has been observed to be widespread in a certain area of the forest, that fact is stated and the blooming period given. Large maps enable the viewer to pinpoint exact locations.

The Duke Forest, established in 1931, is located in Durham and Orange counties near the eastern edge of the Piedmont Plateau. It has three divisions: Durham, New Hope Creek, and Hillsborough. The 8,000 acres which comprise the forest were purchased in small tracts in the early 1920s.

Maps of the forest area are available in the Forestry School office.

Trading Post

FOR SALE—1972 Vega sports hatchback, four speed; 26 mpg. city, 33 mpg. highway; 36,000 mi. Call 383-4315, after 3:30 p.m.

WANTED—English setter male pup. Call 929-1378, 6-10 p.m. and weekends.

FOR SALE—Singer zig-zag portable sewing machine, model 247 with carrying case, extra bobbins and zipper foot; new; used two months, in excellent condition, \$85. Call 489-4821, after 6 p.m.

FOR SALE—1976 Shasta travel trailer; 25' fully self contained, many extras: awning, air cond., full size refrigerator, TV antenna, etc., see to believe. Call 493-2306, after 5:30 p.m. and weekends.

FOR SALE—Man's five-speed bicycle, green, good condition, ridden very little; \$40 or best offer. Call 286-1932, after 4:30 p.m.

FOR SALE—IBM standard electric typewriter, model D, with extra long carriage; excellent condition. Call 383-1142, after noon.

FOR SALE—1972 Volvo 164-E, four door, burgundy interior and exterior, 53,000 miles, new radial tires, new muffler and exhaust system, eight-track tape deck; car (engine, body, etc.) in excellent condition. Call 483-0733, after 5 p.m. and weekends, or 682-6068 during day to leave name, etc.

FOR SALE—1966 Oldsmobile F-85 four-door station wagon, AC, AT, PS, PB, new tires, battery, shocks, muffler system, radio, good transportation, \$475; car top pop-up tent, sleeps two, wonderful for vacationing, wooden bed minus mattress, can be used as luggage carrier. Call 489-8410.

Intercom

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The Week on Campus

April 29-May 6, 1977

Event and Time	Place
RELIGIOUS (684-2572): Sun., 11 a.m. Worship service: Rev. Robert T. Young, university minister	Chapel
PERFORMING ARTS (684-4059): Fri. (4/29), Wed., Thurs. and Fri. (5/6), 8 p.m. Durham Theatre Guild and City Acting Company: world premiere of "Glory for Me" (Admission Charge) Fri. (5/6), 8:30 p.m. Hoof 'n' Horn: "Camelot" (Admission Charge)	Carolina Theatre, downtown Durham Page
MUSIC (684-4059): Fri. (4/29), 8:15 p.m. Music Dept. recital: Robert Listokin, clarinet and Ann Listokin, piano, assisted by Giorgio Ciompi, violin	E. Duke Music Rm.
OTHER: Sat., 10 a.m. Continuing Education: Public Speaking Clinic (Admission Charge)	107 Bivins
FILM: Fri. (4/29), 7 and 9 p.m. "A New Leaf," (Admission Charge)	Page